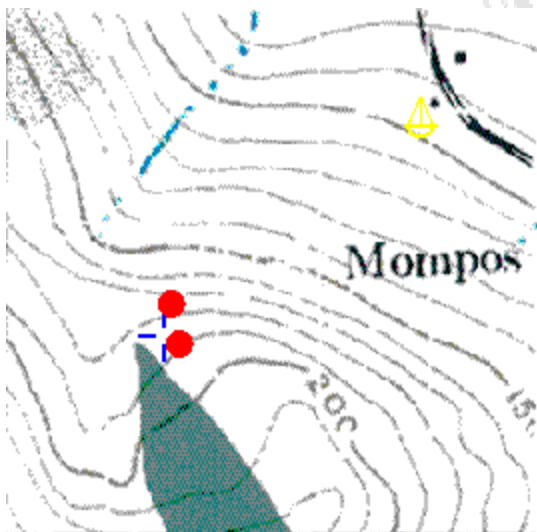




Virtual Target & Range (VITAR)

Mr. John A. Nial, Jr.
NAVSEA Indian Head



13 Aug 2001





Project Description

Objectives:

Rapid prototyping effort to demonstrate a low cost, stand-alone, portable, waterborne acoustic impact scoring system and simulator.

Deliverables:

One prototype stand-alone system:

- Three buoys
- One system controller/processor



Project Participants:

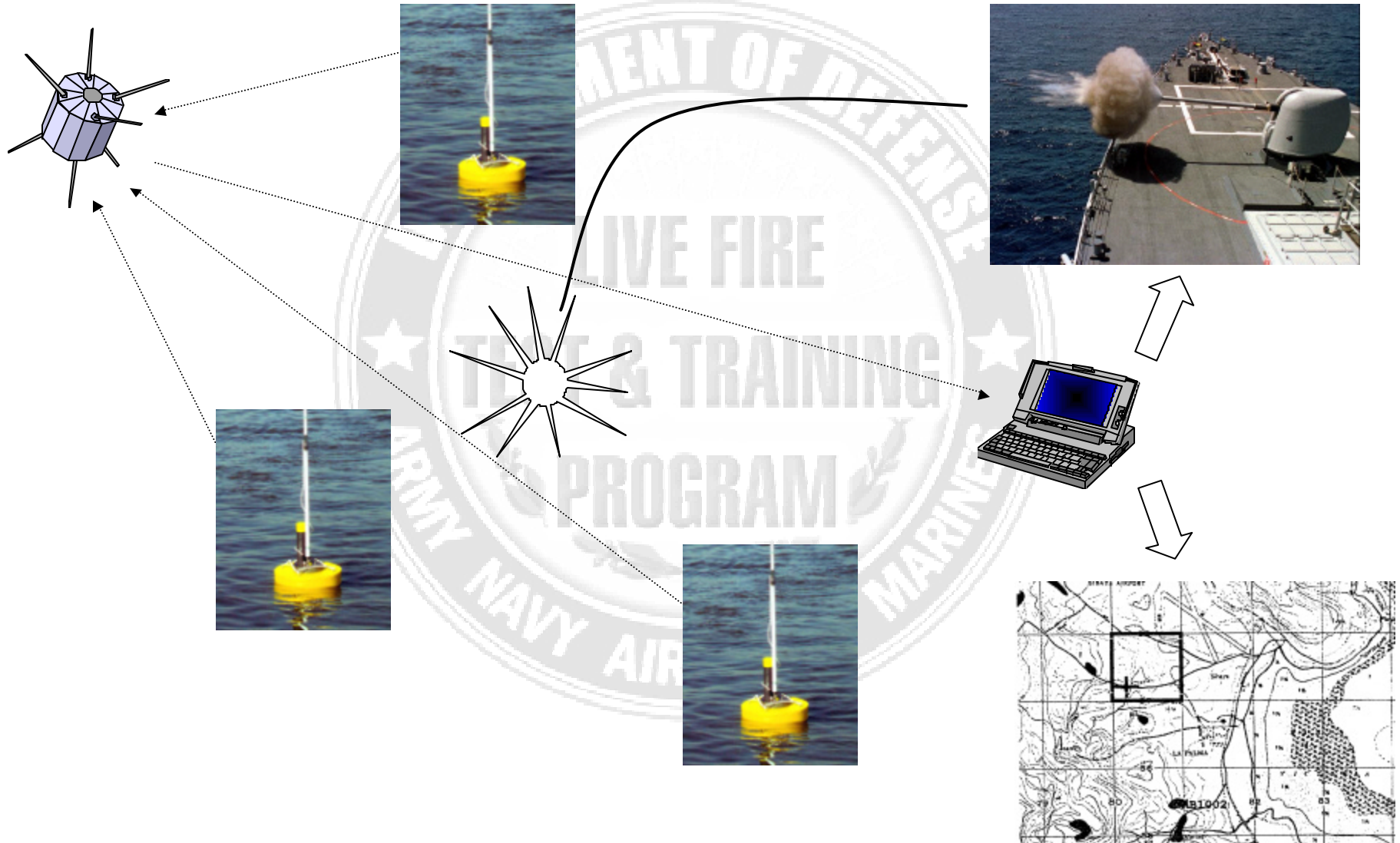
- Indian Head Division, NSWC
- Lothar H. Ruhnke, Ph.D.

Funding: (In Ks)

<u>FY00</u>	<u>FY01</u>	<u>Total</u>
350	534	884



Operational Concept





Status & Transition Plan

- Feb 00 USS Ramage (DDG 61)
- Jun 00 USS The Sullivans (DDG 68)
- Jan 01 USS Anzio (CG 68)
- Jun 01 USS Barry (DDG 52)
- Jul 01 VAST (ONR)



Status & Transition Plan

Virtual At Sea Training (VAST) Demonstration

- Live rounds fired from Dahlgren's 5"/54 gun
- VITAR detected and scored each impact
- Virtual impacts on San Clemente Island were displayed by UAVSIM.
- A synthetic SA-6 battery was engaged by a live Marine Corps spotter and destroyed.





Status & Transition Plan

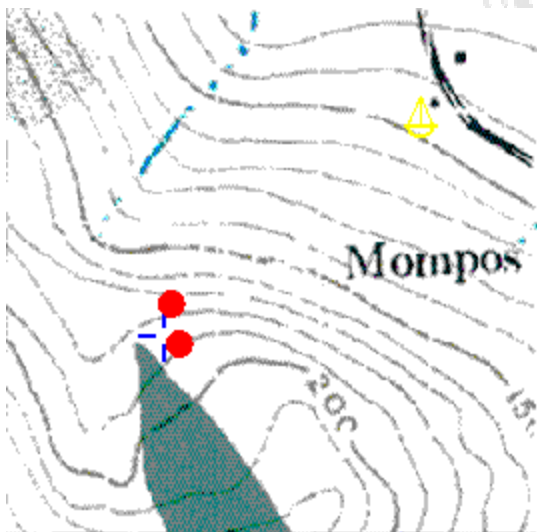


- Successful transition/integration of VITAR into VAST synthetic battlespace environment.
- VITAR Fleet Requirements Development is Underway
- VITAR Fleet Transition Program Plan Development is Underway



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